AUTHOR INDEX TO ABSTRACTS

This index lists the authors of papers, either presented in person or by title, which were published in The IMS Bulletin during 1998. Each and every author of multi-authored abstracts is included in the index. The page numbering of the six issues is as follows:

Vol. 27, No. 1, January/February 1998:
By Title, p. 6 (98t1–9)
In Person, pp. 11-15: Pittsburgh, PA (IMS/ENAR Regional Meeting)

Vol. 27, No. 2, March/April 1998:
By Title, p. 80 (98t10-18)
In Person, pp. 18-105: Sante Fe, New Mexico (Spring Research Conference)
In Person, pp. 105-111: San Diego, California (IMS-WNAR Meeting)

Vol. 27, No. 3, May/June 1998:
By Title, p. 172 (98t19-27)
In Person, pp. 151-168: Dallas, Texas (Joint Statistical Meetings)

Vol. 27, No. 4, July/August 1998:
By Title, p. 206 (98t-28-34)
In Person, pp. 208-210: Dallas, Texas (Workshop on Geometry and Random Fields)

Vol. 27, No. 5, September/October 1998:
By Title, p. 270 (98t-35-40)

Vol. 27, No. 6, November/December 1998:
By Title, p. 313 (98t41-48)

Author, *Title*, Abstract No., Issue and Page Number

Afshar, N., *A New Approach to System Reliability*, 98t-35, No. 5, p. 27

Ahsanullah, Mohammad, *Some Characteristic Properties of generalized Order Statistics From Exponential Distribution,* 259-22, No. 3, p. 157

Ait-Sahalia, Yacine, *Maximum Likelihood Estimation of Discretely Sampled Diffusions: A Closed-Form Approach,* 258-3, No. 2, p. 106

Alexander, Kenneth S., *Boundedness of level Lines of Two Dimensional Random Fields,* No. 4, p. 209

Altschuler, Steven, *A Clustered Discrete Markov Chain Model for Web Site Traversal,* 257-42, No. 2, p. 97

Anderson-Cook, Christine M., *Understanding the Influence of Several Input Factors on Cylindrical Responses,* 257-24, No. 2, p. 92

Ankenman, Bruce E., *Experimental Designs for Estimating a Response Surface with Two Variance Components,* 257-27, No. 2, p. 93

Bagchi, Bhaskar, *Optimality of Partial Geometric Designs in the Binary Class,* 98t-39, No. 5, p. 271

Bagchi, Sunanda, *Optimality of Partial Geometric Designs in the Binary Class,* 98t-39, No. 5, p. 271

Banks, David L., *Comparing Protocols for Software Conformance Testing,* 257-58, No. 2, p. 102

Beder, Jay H., *Some Results for Orthogonal Arrays,* 98t-1, No. 1, p. 6

Bedrick, Edward J., *Checking Lack-of-Fit in Linear Models with Parametric Variance Functions,* 257-28, No. 2, p. 93

Berry, Scott M., *Updating MCMC Observations From Sequential Data,* 258-17, No. 2, p. 110

Bérubé, Julie, *Dynamic Parameter Designs: How to Best Adjust,* 257-39, No. 2, p. 96

Besag, Julian, *Bayesian Mapping of Risk, with an Application to Prostate Cancer,* 258-12, No.

AUTHOR INDEX TO ABSTRACTS

This index lists the authors of papers, either presented in person or by title, which were published in The IMS Bulletin during 1998. Each and every author of multi-authored abstracts is included in the index. The page numbering of the six issues is as follows:

Vol. 27, No. 1, January/February 1998:
By Title, p. 6 (98t1–9)
In Person, pp. 11-15: Pittsburgh, PA (IMS/ENAR Regional Meeting)

Vol. 27, No. 2, March/April 1998:
By Title, p. 80 (98t10-18)
In Person, pp. 18-105: Sante Fe, New Mexico (Spring Research Conference)
In Person, pp. 105-111: San Diego, California (IMS-WNAR Meeting)

Vol. 27, No. 3, May/June 1998:
By Title, p. 172 (98t19-27)
In Person, pp. 151-168: Dallas, Texas (Joint Statistical Meetings)

Vol. 27, No. 4, July/August 1998:
By Title, p. 206 (98t-28-34)
In Person, pp. 208-210: Dallas, Texas (Workshop on Geometry and Random Fields)

Vol. 27, No. 5, September/October 1998:
By Title, p. 270 (98t-35-40)

Vol. 27, No. 6, November/December 1998:
By Title, p. 313 (98t41-48)

Author, *Title*, Abstract No., Issue and Page Number

Afshar, N., *A New Approach to System Reliability*, 98t-35, No. 5, p. 27

Ahsanullah, Mohammad, *Some Characteristic Properties of generalized Order Statistics From Exponential Distribution,* 259-22, No. 3, p. 157

Ait-Sahalia, Yacine, *Maximum Likelihood Estimation of Discretely Sampled Diffusions: A Closed-Form Approach,* 258-3, No. 2, p. 106

Alexander, Kenneth S., *Boundedness of level Lines of Two Dimensional Random Fields,* No. 4, p. 209

Altschuler, Steven, *A Clustered Discrete Markov Chain Model for Web Site Traversal,* 257-42, No. 2, p. 97

Anderson-Cook, Christine M., *Understanding the Influence of Several Input Factors on Cylindrical Responses,* 257-24, No. 2, p. 92

Ankenman, Bruce E., *Experimental Designs for Estimating a Response Surface with Two Variance Components,* 257-27, No. 2, p. 93

Bagchi, Bhaskar, *Optimality of Partial Geometric Designs in the Binary Class,* 98t-39, No. 5, p. 271

Bagchi, Sunanda, *Optimality of Partial Geometric Designs in the Binary Class,* 98t-39, No. 5, p. 271

Banks, David L., *Comparing Protocols for Software Conformance Testing,* 257-58, No. 2, p. 102

Beder, Jay H., *Some Results for Orthogonal Arrays,* 98t-1, No. 1, p. 6

Bedrick, Edward J., *Checking Lack-of-Fit in Linear Models with Parametric Variance Functions,* 257-28, No. 2, p. 93

Berry, Scott M., *Updating MCMC Observations From Sequential Data,* 258-17, No. 2, p. 110

Bérubé, Julie, *Dynamic Parameter Designs: How to Best Adjust,* 257-39, No. 2, p. 96

Besag, Julian, *Bayesian Mapping of Risk, with an Application to Prostate Cancer,* 258-12, No.

2, p. 109

Bingham, Derek R., *Fractional Factorial Split-Plot Designs for Industrial Experiments,* 257-45, No. 2, p. 98

Bing-Yi, Jing, *Berry-Esseen Bound for Parametric Estimate in Partial Linear Model with Censored Data,* 259-24, No. 3, p. 157

Bisi, Arnab, *Stability of Degenerate Diffusions with State Dependent Switching,* 259-40, No. 3, p. 163

Bloount, Douglas J., *A Maximal Inequality with Applications to Regularity and Convergence of SPDEs in Hilbert Spaces,* 258-15, No. 2, p. 110

Boardman, Thomas J., *Control Chart Limits for Means Using Bootstrap Techniques,* 257-55, No. 2, p. 101

Borowiak, Dale, *An Optimal Option Pricing Strategy,* 259-49, No. 3, p. 165

Bowman, K.O., *Sister Chromatid Exchange Data and Gram-Charlier Series Based on Aitken-Gonin Polynomials,* 98t-2, No. 1, p. 7

Box, George E.P., *Feedback Adjustment for Statistical Process Control,* 257-1, No. 2, p. 84

Bradley, Richard C., *Two Inequalities and Some Applications in Connection with Rho-Star-Mixing, A Survey,* 98t-19, No. 3, p. 172

Bradley, Richard C., *Equivalent Mixing Conditions for Markov Chains,* 98t-25, No. 3, p. 175

Brazzale, Alessandra R., *Implementing Small-Sample Asymptotics in S-Plus,* 259-5, No. 3, p. 152

Burr, Tom L., *Comparison of Bayesian and Classical Reconstructions of Tomographic Gamma Scanning for Assya of Nuclear Materials,* 257-25, No. 2, p. 92

Bursnall, M.C., *Experimental Design and Analysis for Multivariate Responses,* 257-52, No. 2, p. 100

Byers, Simon, *Bayesian Mapping of Risk, with an Application to Prostate Cancer,* 258-12, No. 2, p. 109

Calvin, James A., *Identifying the Time of a Change in a Production Process,* 257-46, No. 2, p. 99

Capobianco, Enrico, *Wavelets and Financial Volatility,* 257-40, No. 2, p. 97

Casti, John, *The Geometry of Data,* 257-2, No. 2, p. 84

Chaganty, N. Rao, *On Eliminating the Asymptotic Bias in Quasi-least Squares Estimate of the Correlation Parameter,* 256-1, No. 1, p. 11; 98t-10, No. 2, p. 80

Chai, Gen-Xiang, *Nonlinear Wavelet Smoothing of Error Distribution in a Semiparametric Model,* 98t-32, No. 4, p. 207

Chakravarti, Indra M., *Duality of Hexads and Hexagrams in a PG(2,4) and the Configuration of 30 Baer Subdesigns (7,4,2) in a (56,11,2) Design,* 98t-16, No. 2, p. 82

Chambers, John, *Computing with Data: Concepts and Challenges,* 259-2, No. 3, p. 151

Chan, Chun K., *Robust Design and Reliability Engineering,* 257-9, No. 2, p. 86

Chan, L.Y., *An Equivalence Theorem for Orthogonality and D-Optimality,* 98t-34, No. 4, p. 208

Chang, Wan-Ying, *Variance Inequalities for Functions of Multivariate Random Variables,* 98t-27, No. 3, p. 175

Chaudhuri, Gopal, *A New Approach to System Reliability,* 98t-35, No. 5, p. 270

Chen, Dechang, *A Concrete Statistical Realization of Kleinberg's Stochastic Discrimination for Pattern Recognition,* 98t-15, No. 2, p. 82

Chen, Ming-Hui, *Propriety of Posterior Distributions for the Binomial Response,* 259-38, No. 3, p. 162

Chen, Shijle, *Asymptotic Behavior of Regression Quantiles and Related Estimators in Exponentially Subordinated Dependent Cases,* 259-15, No. 3, p. 155

Cheng, Cheng, *Concentration Order on a Metric Space with Some Statistical Applications,* 259-44, No. 3, p. 164

Cheng, Chi-Lun, *On the Polynomial Berkson Model,* 259-50, No. 3, p. 165

Cheng, Ming-Yen, *Mode Testing in Difficult Cases,* 259-8, No. 3, p. 153

Chipman, Hugh A., *Variable Selection in Generalized Linear Models for Industrial Data,* 257-66, No. 2, p. 105

Christensen, Ronald, *Checking Lack-of-Fit in Linear Models with Parametric Variance Functions,* 257-28, No. 2, p. 93

Chu, Hui-May, *Sampling Based Approach to Inference for Multi-State Models with Survival/Sacrifice Data,* 256-10, No. 1, p. 14

Coad, D. Stephen, *Some Examples of Corrected Confidence Sets for Sequentially Designed Experiments,* 259-20, No. 3, p. 156

Cooper, Khershed P., *Using Stepwise Regression to Improve Physical Understanding of Technical Data,* 257-31, No. 2, p. 94

Croux, Christopher, *Influence Function and Efficiency of the Minimum Covariance Determinant Scatter Matrix Estimator,* 98t-29, No. 4, p. 207

Dalang, Robert, *Level Sets and Excursions of a Brownian Sheet,* No. 4, p. 208

Datta, Sujay, *Sequential Fixed-Precision Estimation of Reliability in the Stress-Strength Model,* 259-33, No. 3, p. 160

Dean, Angela M., *Two-Stage Group Screening in the Presence of Noise Factors,* 257-36, No. 2, p. 96

Dean, Charmaine B., *Detecting Interaction Between Random Region and Fixed Age Effects in Disease Mapping,* 258-14, No. 2, p. 109

Diestelkamp, Wiebke S., *Some Results for Orthogonal Arrays,* 98t-1, No. 1, p. 6

Doumi, Tewfik, *Robust Design and Reliability Engineering,* 257-9, No. 2, p. 86

Duembgen, Lutz, *Optimal Nonparametric Testing of Qualitative Assumptions Such as Monotonicity or Convexity,* 259-6, No. 3, p. 153

Duggan, William T., *On a Two-Stage Procedure Having Second-Order Properties with Applications,* 259-46, No. 3, p. 164

Durham, Stephen, *A Birth and Death Urn for Randomized Clinical Trials,* 259-43, No. 3, p. 163

Efromovich, Sam, *Density Estimation Under Random Censorship and Order Restrictions,* 259-51, No. 3, p. 166

Ehm, Werner, *On the Uncertainty Relation for Positive-Definite Probability Densities, II,* 98t-28, No. 4, p. 206

Einmahl, John, *Confidence Tubes for Multiple Quantile-Quantile Plots via Empirical Likelihood,* 259-26, No. 3, p. 158

Elder, John, *Bundling: The Next Breakthrough in Data Mining,* 257-6, No. 2, p. 85

Escobar, L.A., *Statistical Methods foro Probabilistic Design,* 257-3, No. 2, p. 84

Escobar, L.A., *Accelerated Degradation Tests: Modeling and Analysis,* 257-14, No. 2, p. 88

Eddings, W.E., *Sister Chromatid Exchange Data and Gram-Charlier Series Based on Aitken-Gonin Polynomials,* 98t-2, No. 1, p. 7

Fang, K.T., *An Equivalence Theorem for Orthogonality and D-Optimality,* 98t-34, No. 4, p. 208

Ferrari, Pablo A., *Shocks, Characteristics and Random Rates in the Asymmetric Simple Exclusion Process,* 258-1, No. 2, p. 105

Findley, David F., *Convergence Results for the Modeling of Time Series Arrays by Multistep Prediction or Likelihood Methods,* 98t-46, No. 6, p. 314

Flournoy, Nancy, *A Birth and Death Urn for Randomized Clinical Trials,* 259-43, No. 3, p. 163

Forster, Jon, *Model-Based Inference for Categorical Survey Data,* 259-12, No. 3, p. 154

Freedman, David, *From Association to Causation Through Regression,* 259-1, No. 3, p. 151

Gampe, Jutta, *Incorporating Spatial Correlation in Nonparametric Regression,* 259-28, No. 3, p. 159

Gebrael,, Mayez G., *Markov Modeling Case Study Using the Electronic Crash Sensing Restraint System,* 257-59, No. 2, p. 102

Ghosh, Sujit K., *Bayesian Analysis of Zero-Inflated-Models,* 98t-40, No. 5, p. 272

Gilmour, Steven G., *Response Surface Methodology in Biochemical Engineering,* 257-23, No. 2, p. 91

Given, James, *A New Class of Parallel Diffusion Algorithms,* 257-20, No. 2, p. 90

Gneiting, Tilmann, *On the Uncertainty Relation for Positive-Definite Probability Densities, II,* 98t-28, No. 4, p. 206

Gneiting, Tilmann, *Kuttner's Problem and a Polya Type Criterion for Characteristic Functions,* 98t-31, No. 4, p. 207

Goldstein, Darlene, *Linkage Testing of Genome Mismatch Scanning data with Allowance for Interference,* 259-30, No. 3, p. 159

Golowich, Steven E., *Interplay Between Physics and Statistics in Modeling Bandwidth of Optical Fiber,* 257-60, No. 2, p. 102

Gonzalez-Barrios, Jose H., *On Equal Distributions with Weaker Moments Assumptions,* 259-16, No. 3, p. 155

Graves, T.L, *Tools for Visualization and Analysis of Software Databases,* 257-19, No. 2, p. 90

Green, Jeffrey J., *Another Type of Balanced Change-Over Design,* 256-3, No. 1, p. 12

Grego, John M., *Bayes and Empirical Bayes Models for Process Mean and Variance,* 257-38, No. 2, p. 96

Gross, Shulamith T., *Logistic Regression Models for Clustered Survival Data,* 259-52, No. 3, p. 166

Gumina, C. Richard, *Control Chart Limits for Means Using Bootstrap Techniques,* 257-55, No. 2, p. 101

Gupta, Arjun K., *Epidemic Change for the Exponential Distribution,* 98t-12, No. 2, p. 81

Gupta, Pushpa L., *Failure Rate of the Minimum and Maximum of a Multivariate Normal Distribution,* 256-12, No. 1, p. 14

Gupta, Ramesh C., *Point and Interval Estimation of P(X<Y): The Normal Case With Common Coefficient of Variation,* 256-13, No. 1, p. 15

Gupta, Ramesh C., *Failure Rate of the Minimum and Maximum of a Multivariate Normal Distribution,* 256-12, No. 1, p. 14

Gupta, Rameshwar D., *Radix Expansions and the Uniform Distribution,* 98t-36, No. 5, p. 270

Gustafson, Paul, *Elaborating on Linear and Additive Models via Bayesian Fitting of Interaction Terms,* 258-18, No. 2, p. 111

Haesbroeck, Gentiane, *Influence Function and Efficiency of the Minimum Covariance Determinant Scatter Matrix Estimator,* 98t-29, No. 4, p. 207

Hall, Peter, *Mode Testing in Difficult Cases,* 259-8, No. 3, p. 153

Hamada, Michael S., *Variable Selection in Generalized Linear Models for Industrial Data,* 257-66, No. 2, p. 105

Hao, M. Safiul, *Predictive Inference for the Multivariate Linear Models with Elliptical Errors: structural Approach,* 259-21, No. 3, p. 157

Hardy, Michael E., *Apportionment of Availability in a Manufacturing Process where Effort Functions are Unknown,* 257-43, No. 2, p. 98

Hawley, Robert W, *Engineering Aspects of Automatic Target Recognition Algorithm Design,* 257-7- No, 2, p. 86

Heavlin, William D., *Statistically Based Process Windows,* 257-41, No. 2., p. 97

Hofmann, Glenn, *A Continuous Version of the Power Record Model,* 259-27, No. 3, p. 158

Hooghiemstra, Gerard, *On the Maximum of Groeneboom's Local Limit Process,* 98t-3, No. 1, p. 7

Hu, Joan, *Nonparametric Estimation of a Lifetime Distribution When Censoring Times are Missing,* 257-15, No. 2, p. 89

Hu, K., *A New Approach to System Reliability,* 98t-35, No. 5, p. 27

Hu, Wenkai, *Bayes and Empirical Bayes Models for Process Mean and Variance,* 257-38, No.

2, p. 96

Hu, Xiaomi, *Order and Bound Restricted MLEs and Universal Domination,* 259-31, No. 3, p. 160

Huang, Peng, *A Concrete Statistical Realization of Kleinberg's Stochastic Discrimination for Pattern Recognition,* 98t-15, No. 2, p. 82

Huber-Carol, Catherine, *Logistic Regression Models for Clustered Survival Data,* 259-52, No. 3, p. 166

Huzurbazar, Aparna V., *Analysis of Time-to-Event Data Using Flowgraph Models,* 257-61, No. 2, p. 103

Jackson, D.S., *New Field Reliability Measurements to Improve Design,* 257-49, No. 2, p. 99

Jacques, Christiane, *Estimation of Linnik Law Parameters,* 98t-41, No. 6, p. 313

Jesse, Carole A., *Wafer Measurement Patterns in the Semiconductor Industry: An Improved Approach to Estimation,* 257-62, No. 2, p. 103

Johnstone, Iain, *An Empirical Bayes Method for Orthogonal Variable Selection, Illustrated in Wavelet Regression,* 259-32, No. 3, p. 160

Jose, Coccaro Santiago, *Using Experimental Design in leather Industry,* 257-64, No. 2, p. 104

Kacker, Raghu, *Comparing Protocols for Software Conformance Testing,* 257-58, No. 2, p. 102

Kambour, Edward L. III, *Identifying the Time of a Change in a Production Process,* 257-46, No. 2, p. 99

Karr, Alan, *Experimental Designs for Estimating a Response Surface with Two Variance Components,* 257-27, No. 2, p. 93

Kastenbaum, M.A., *Sister Chromatid Exchange Data and Gram-Charlier Series Based on Aitken-Gonin Polynomials,* 98t-2, No. 1, p. 7

Kato, Kiroko, *A Study of a Autoregressive Model for Nonlinear/Nonstationary Biomedical Time Series Data,* 259-29, No. 3, p. 159

Kauermann, Goeran, *Testing Generalized Linear Models Against Smooth Alternatives,* 259-42, No. 3, p. 163

Keepler, Manuel, *On the Reversal of the Operators in a Phillips Perturbation Series, Random Evolutions, and Perturbations of Markov Chains,* 98t-22, No. 3, p. 173

Keepler, Manuel, *Random Evolutions Induced by Discrete-Time and Continuous-Time Markov Chains,* 98t-23, No. 3, p. 174

Keepler, Manuel, *Reversed Random Evolutions and Random Evolution Processes,* 98t-24, No. 3, p. 174

Kendall, W.S., *Perfect Simulation in Stochastic Geometry,* 98t-8, No. 1, p. 9

Khaledi, B., *Stochastic Comparisons and Dependence Among Concomitants or Order Statistics,* 98t-26, No. 3, p. 175

Khoshnevisan, Davar, *Potential Theory and the Brownian Sheet,* No. 4, p. 209

Kibria, B.M. Golam, *Predictive Inference for the Multivariate Linear Models with Elliptical Errors: structural Approach,* 259-21, No. 3, p. 157

Kochar, Subhash, *Stochastic Comparisons and Dependence Among Concomitants or Order Statistics,* 98t-26, No. 3, p. 175

Kolassa, J.E., *Multivariate Confidence Regions for Generalized Linear Models,* 258-11, No. 2, p. 109

Konijn, Hendrik S., *Sampling from a Population with Quotas for Some of its Subpopulations,* 98t-47, No. 6, p. 315

Koti, Kallappa M., *Models with Surviving Fractions: An Application to the Analysis of Decompression Sickness Onset Time Data,* 98t-4, No. 1, p. 8

Kozek, Andrzej S., *On M-Estimators of Approximate Quantiles and Approximate Conditional Quantiles,* 257-22, No. 2, p. 91

Krivtsov, Vasiliy V., *A Monte Carlo Simulation of Stochastic Point Processes for Automotive Industry Applications,* 257-44, No. 2, p. 98

Kroisandt, Gerald, *Wavelet Processes and Adaptive Estimation of the Evolutionary Wavelet Spectrum,* 98t-11, No. 2, p. 81

Kroisandt, Gerald, *Wavelet Processes and Adaptive Estimation of the Evolutionary Wavelet Spectrum,* 98t-20, No. 3, p. 173

Krone, Steve, *The Ancestral Selection Graph,* 259-9, No. 3, p. 154

Kudholkar, S., *Departures from the Inverse Gaussian Assumptions: Analogs of Skewness and Kurtosis,* 259-36, No. 3, p. 161

Kulldorff, Martin, *A Spatial Gradual Scan Statistic,* 258-13, No. 2, p. 109

Kuo, Lynn, *Sampling Based Approach to Inference for Multi-State Models with Survival/Sacrifice Data,* 256-10, No. 1, p. 14

Lahiri, Soumendra, *Bootstrap Based Generalized Least Square Estimators of Spatial Variogram Parameters,* 259-25, No. 3, p. 158

Landwehr, James M., *Interplay Between Physics and Statistics in Modeling Bandwidth of Optical Fiber,* 257-60, No. 2, p. 102

Lane, A., *Modeling Domestic Electricity Consumption in the UK,* 257-51, No. 2, p. 100

Lawless, Jerry, *Analysis of Variation Transmission in Manufacturing Processes,* 257-4, No. 2, p. 85

Lawless, Jerry, *Nonparametric Estimation of a Lifetime Distribution When Censoring Times are Missing,* 257-15, No. 2, p. 89

Laycock, P.J., *Modeling Domestic Electricity Consumption in the UK,* 257-51, No. 2, p. 100

Lazar, Nicole A., *The Higher-Order Asymptotics of Empirical Likelihood with Nuisance Parameters,* 258-9, No. 2, p. 108

Lee, Yoondong, *Bootstrap Based Generalized Least Square Estimators of Spatial Variogram Parameters,* 259-25, No. 3, p. 158

Lesperance, Mary L., *A Conjugate Gradient Method for Calculating Information in a Semiparametric Mixture Model,* 256-9, No. 1, p. 13

Lewis, Susan M., *Two-Stage Group Screening in the Presence of Noise Factors,* 257-36, No. 2, p. 96

Lewis, Susan M., *Semi-Controlled Experiments,* 257-65, No. 2, p. 104

Li, William, *A Computer-Aided Approach to Reliability Assessment Using Optimal Latin Hypercubes,* 257-57, No. 2, p. 102

Li, Zhu-Yu, *Nonlinear Wavelet Smoothing of Error Distribution in a Semiparametric Model,* 98t-32, No. 4, p. 207

Limic, Vlada, *Stochastic Coalescent,* 259-11, No. 3, p. 154

Lin, Meily, *Using Design of Experiment to Modularize Functions of Produce,* 257-63, No. 2, p. 104

Lin, Yi, *Tensor Product Space ANOVA Models,* 256-8, No. 1, p. 13

Lindsay, Bruce G., *A Conjugate Gradient Method for Calculating Information in a Semiparametric Mixture Model,* 256-9, No. 1, p. 13

Liu, Hui, *Experimental Designs for Estimating a Response Surface with Two Variance Components,* 257-27, No. 2, p. 93

Liu, I-li, *Natural Exponential Families and Generalized Hypergeometric Measures,* 98t-37, No. 5, p. 271

Liu, Regina Y., *A Data Depth Methodology for Multivariate Inspection and Quality Control,* 257-54, No. 2, p. 101

Loader, Clive, *Minimax Properties of Local Polynomial Regression,* 259-35, No. 3, p. 161

Longnecker, Michael T., *The Use of Multivariate EWMA Charts to Control Correlated Processes,* 257-48, No. 2, p. 99

Lopuhaä, Hendrik P., *On the Maximum of Groeneboom's Local Limit Process,* 98t-3, No. 1, p. 7

Lopuhaä, Hendrik P., *Asymptotics of Reweighted Estimators of Multivariate Location and Scat-*

ter, 98t-14, No. 2, p. 82

Lu, C. Joseph, *Accelerated Degradation Tests: Modeling and Analysis,* 257-14, No. 2, p. 88

Lu, J.C., *Bayesian Analysis of Zero-Inflated-Models,* 98t-40, No. 5, p. 272

Madigan, David, *Bayesian Model Averaging,* 259-13, No. 3, p. 155

Marron, J.S., *Sizer Analysis of Trends in Software Engineering,* 257-18, No. 2, p. 90

Mascagni, Michael, *A New Class of Parallel Diffusion Algorithms,* 257-20, No. 2, p. 90

Maxwell, J., *A New Approach to System Reliability,* 98t-35, No. 5, p. 27

Mercer, David J., *Comparison of Bayesian and Classical Reconstructions of Tomographic Gamma Scanning for Assay of Nuclear Materials,* 257-25, No. 2, p. 92

McClure, Don, *Robust Statistical Approaches to Recognition Problems Industrial Machine Vision and ATR,* 257-8, No. 2, p. 86

McDonald, William W., *Nondeterministic Modeling of Multivariate Structural Responses,* 257-16, No. 2, p. 89

McFarland, H. Richard, *The Exact Distributions of "Plug-In" Discriminant Functions in Multivariate Analysis,* 98t-18, No. 2, p. 83

McKeague, Ian W., *Median Regression Analysis of Censored Data,* 256-4, No. 1, p. 12

McKeague, Ian W., *Confidence Tubes for Multiple Quantile-Quantile Plots via Empirical Likelihood,* 259-26, No. 3, p. 158

McNeney, Brad, *Asymptotic Efficiency in Semiparametric Models with Non-i.i.d. Data,* 259-39, No. 3, p. 162

Meeker, W.Q., *Statistical Methods foro Probabilistic Design,* 257-3, No. 2, p. 84

Meeker, W.Q., *Accelerated Degradation Tests: Modeling and Analysis,* 257-14, No. 2, p. 88

Mezhoudi, Mohcene, *Robust Design and Reliability Engineering,* 257-9, No. 2, p. 86

Michelson, Diane K., *The Use of Multivariate EWMA Charts to Control Correlated Processes,* 257-48, No. 2, p. 99

Militino, Ana F., *Detecting Interaction Between Random Region and Fixed Age Effects in Disease Mapping,* 258-14, No. 2, p. 109

Miller, Curtis P., *A Spectral Density for a Continuously Indexed Random Field with Infinite Variance,* 256-2, No. 1, p. 11

Minami, Mihoko, *Inverse Relationship and Limiting Forms of Lagrange Distributions,* 259-41, No. 3, p. 163

Mizera, Ivan, *On Depth and Deep Points: A Calculus,* 98t-30, No. 4, p. 207

Mockus, A., *Tools for Visualization and Analysis of Software Databases,* 257-19, No. 2, p. 90

Morgan, John P., *Universally Optimal Designs with Blocksize p x 2 and Correlated Observations,* 256-11, No. 1, p. 14

Mountford, Tom, *Linkage Testing of Genome Mismatch Scanning data with Allowance for Interference,* 259-30, No. 3, p. 159

Mukherjee, Kanchan, *Asymptotic Behavior of Regression Quantiles and Related Estimators in Exponentially Subordinated Dependent Cases,* 259-15, No. 3, p. 155

Mukhopadhyay, Nitis, *On a Two-Stage Procedure Having Second-Order Properties with Applications,* 259-46, No. 3, p. 164

Mukhopadhyay, Pabak, *Bayesian Analysis of Zero-Inflated-Models,* 98t-40, No. 5, p. 272

Mykland, Per A., *Management of the Model Risk for Derivative Securities,* 258-5, No. 2, p. 106

Naiman, Daniel Q., *Abstract Tubes and Some New Inclusion-Exclusion Formulae,* No. 4, p. 209

Nair, Vijay, *Robust Design Methods for Reliability Improvement,* 257-10, No. 2, p. 87

Nason, Guy P., *Wavelet Processes and Adaptive Estimation of the Evolutionary Wavelet Spectrum,* 98t-11, No. 2, p. 81

Nason, Guy P., *Statistical Modeling of Time Series Using Stationary Wavelet Representations,* 258-6, No. 2, p. 107

Nason, Guy P., *Wavelet Processes and Adaptive Estimation of the Evolutionary Wavelet Spectrum,* 98t-20, No. 3, p. 173

Natarajan, Rajeshwari, *Departures from the Inverse Gaussian Assumptions: Analogs of Skewness and Kurtosis,* 259-36, No. 3, p. 161

Nelder, J.A., *The Joint Modeling of Mean and Dispersion,* 257-11, No. 2, p. 87

Newton, Dale C., *A Connection Between Additive Number Theory, Probability and Statistics: the Partition of the INTEGER Probability Distribution as Applied to Monte Carlo Simulation,* 98t-39, No. 5, p. 272

Nolan, John P., *Multilocus Probabilities for Models of Genetic Recombination with Crossover Interference,* 256-5, No. 1, P. 12

Oh, Hilario L., *Using Design of Experiment to Modularize Functions of Product,* 257-63, No. 2, p. 104

Onar, Arzu, *Accelerated Test Models Using the Inverse Gaussian Distribution: Inference and Optimal Design,* 257-35, No. 2, p. 95

Padgett, W.J., *Accelerated Test Models Using the Inverse Gaussian Distribution: Inference and Optimal Design,* 257-35, No. 2, p. 95

Pant, H., *New Field Reliability Measurements to Improve Design,* 257-49, No. 2, p. 99

Peña, Daniel, *Nonstationary Dynamic Factor Analysis,* 259-53, No. 3, p. 167

Peña, Edsel, *Smooth Goodness-of-Fit Tests i Hazard-Based Models,* 259-19, No. 3, p. 156

Percival, Donald B., *Wavelet Variance and Covariance Analysis of Processes with Stationary Increments,* 258-7, No. 2, p. 107

Peres, Yuval, *Broadcasting on Trees and the Ising Model: Statistical Physics Mathematical Genetics and Communication Theory Meet,* 258-2, No. 2, p. 105

Perron, Francois, *Beyond the Acceptance-Rejection Sampling,* 259-34, No. 3, p. 161

Peters, Dawn, *Improving on Exact Tests by Approximate Conditioning,* 258-10, No. 2, p. 108

Picard, Rick, *Learning Algorithms for Particle Transport Monte Carlo,* 257-21, No. 2, p. 91

Picka, Jeffery, *Experimental Designs for Estimating a Response Surface with Two Variance Components,* 257-27, No. 2, p. 93

Pierce, Donald A., *Improving on Exact Tests by Approximate Conditioning,* 258-10, No. 2, p. 108

Pignatiello, Joseph J. Jr., *Identifying the Time of a Change in a Production Process,* 257-46, No. 2, p. 99

Pison, Greet, *Displaying a Clustering with CLUSPLOT,* 98t-5, No. 1, p. 8

Plante, Mathieu, *A Note on Self-Exciting Point Processes,* 98t-48, No. 6, p. 315

Pliego, German J., *$\bar{X}$ Shewhart Control Charts with Flexible Producer's and Consumer's Risks,* 257-33, No. 2, p. 95

Poetscher, Benedikt M., *Convergence Results for the Modeling of Time Series Arrays by Multistep Prediction or Likelihood Methods,* 98t-46, No. 6, p. 314

Polansky, Alan M., *A Nonparametric Approach to Estimating Multivariate Process Capability,* 257-53, No. 2, p. 101

Poncela, Pilad, *Nonstationary Dynamic Factor Analysis,* 259-53, No. 3, p. 167

Pourahmadi, Mohsen, *Joint Modelling of Multivariate Mean and Covariance with Applications to Longitudinal Data,* 256-6, No. 1, p. 12

Prettyman, Tom H., *Comparison of Bayesian and Classical Reconstructions of Tomographic Gamma Scanning for Assay of Nuclear Materials,* 257-25, No. 2, p. 92

Pritscher, Lisa, *Incorporating Spatial Correlation in Nonparametric Regression,* 259-28, No. 3, p. 159

Purkayastha, Sumitra, *An Inequality Between Variances of Order Statistics for Some Symmetric Distributions: A Numerical Study,* 98t-6, No. 1, p. 8

Qin, Gengsheng, *Berry-Esseen Bound for Parametric Estimate in Partial Linear Model with Censored Data,* 259-24, No. 3, p. 157

Qu, Peiyong, *Adaptive Generalized Estimating Equations,* 259-48, No. 3, p. 165

Raquel, De Guisti Marisa, *Using Experimental Design in leather Industry,* 257-64, No. 2, p. 104

Ramakrishnan, S., *Point and Interval Estimation of P(X<Y): The Normal Case With Common Coefficient of Variation,* 256-13, No. 1, p. 15

Ramanayake, Asoka, *Epidemic Change for the Exponential Distribution,* 98t-12, No. 2, p. 81

Reichard, Carla, *Type I Error Rates and Powers for the Pillai-Bartlett, Coombs-Algina U*, V*, R* and L*, and Johansen's Test Under Variance Heterogeneity, Non-Normality and Non-Independence,* 259-18, No. 3, p. 156

Rémillard,Bruno, *Estimation of Linnik Law Parameters,* 98t-41, No. 6, p. 313

Renaud, J.E., *Using Variable Fidelity Approximation Data for Sequential Response Surface Approximation and Optimization,* 257-12, No. 2, p. 87

Richards, Donald, *On the Uncertainty Relation for Positive-Definite Probability Densities, II,* 98t-28, No. 4, p. 206

Richards, Donald, *Natural Exponential Families and Generalized Hypergeometric Measures,* 98t-37, No. 5, p. 271

Richards, St. P., *Radix Expansions and the Uniform Distribution,* 98t-36, No. 5, p. 270

Ridgeway, Gregory K., *A Clustered Discrete Markov Chain Model for Web Site Traversal,* 257-42, No. 2, p. 97

Rodriguez, J.F., *Using Variable Fidelity Approximation Data for Sequential Response Surface Approximation and Optimization,* 257-12, No. 2, p. 87

Roeder, Kathryn, *A Conjugate Gradient Method for Calculating Information in a Semiparametric Mixture Model,* 256-9, No. 1, p. 13

Rosenberg, Jarrett K., *Some Statistical Issues in Software Engineering,* 257-50, No. 2, p. 100

Rosenkrantz, Walter A., *A Parametric Alternative to the Kolmogorov-Smirnov Test,* 98t-33, No. 4, p. 208

Rousseeuw, Peter J., *Displaying a Clustering with CLUSPLOT,* 98t-5, No. 1, p. 8

Rousseeuw, Peter J., *Halfspace Depth Characterizes the Empirical Distribution,* 984-21, No. 3, p. 173

Rousseeuw, Peter J., *Computing LTS Regression for Large Data Sets,* 98t-44, No. 6, p. 314

Rousseeuw, Peter J., *Robustness of Deepest Regression,* 98t-45, No. 6, p. 314

Sachs, Rainer von, *Wavelet Processes and Adaptive Estimation of the Evolutionary Wavelet Spectrum,* 98t-11, No. 2, p. 81

Sachs, Rainer von, *Wavelet Processes and Adaptive Estimation of the Evolutionary Wavelet Spectrum,* 98t-20, No. 3, p. 173

Sankar, S., *An Inequality Between Variances of Order Statistics for Some Symmetric Distributions: A Numerical Study,* 98t-6, No. 1, p. 8

Santos, Canatera Carlos, *Using Experimental Design in leather Industry,* 257-64, No. 2, p. 104

Sapatinas, Theofanis, *Statistical Modeling of Time Series Using Stationary Wavelet Representations,* 258-6, No. 2, p. 107

Seidel, Wilfried, *On the Performance of Likelihood Ratio Tests in Exponential Mixture Models Based on Subglobal Maximization,* 259-47, No. 3, p. 165

Sen, Ananda, *Estimation of Current Reliability in a Duane-based Reliability Growth Model,* 257-32, No. 2, p. 94

Serfling, Robert, *On the Performance of Some Nonparametric Location measures Relative to a General Notion of Multivariate Symmetry,* 259-37, No. 3, p. 161

Severini, Thomas A., *Adjustments to the Likelihood Ratio Statistics,* 259-4, No. 3, p. 152

Sexton, Christine J., *Semi-Controlled Experiments,* 257-65, No. 2, p. 104

Shao, Qi-Man, *Propriety of Posterior Distributions for the Binomial Response,* 259-38, No. 3, p. 162

Shenton, L.R., *Sister Chromatid Exchange Data and Gram-Charlier Series Based on Aitken-Gonin Polynomials*, 98t-2, No. 1, p. 7

Shults, Justine, *On Eliminating the Asymptotic Bias in Quasi-least Squares Estimate of the Correlation Parameter,* 256-1, No. 1, p. 11; 98t-10, No. 2, p. 80

Siegmund, David, *Approximate Tail Probabilities for Scan Statistics,* No. 4, p. 209

Silverman, Bernard W., *Some Aspects of Bayesian Approaches to Nonparametric Regression Using Wavelets,* 258-8, No. 2, p. 108

Sitter, Randy R., *Fractional Factorial Split-Plot Designs for Industrial Experiments,* 257-45, No. 2, p. 98

Smith, Peter W.F., *Exact Inference for Sparse Contingency Tables Using Markov Chain Monte Carlo Methods,* 259-3, No. 3, p. 152

Song, Changyong, *Survival Function Estimation via Wavelets for Interval Censored Data,* 259-56, No. 3, p. 168

Spalding, David, *Use of Physics Models in the Estimation of Operational Missile Accuracy,* 257-17, No. 2, p. 89

Srivastava, Jagdish N., *On the Pre-eminence of, and the Usage of, the New Class of Estimators in Various Branches of Sampling Theory,* 98t-7, No. 1, p. 8

Ssawczenki, Andrew, *Statistical Modeling of Time Series Using Stationary Wavelet Representations,* 258-6, No. 2, p. 107

St. P. Richard, Donald, *The Exact Distributions of "Plug-In" Discriminant Functions in Multivariate Analysis,* 98t-18, No. 2, p. 83

Struyf, Anja, *Displaying a Clustering with CLUSPLOT,* 98t-5, No. 1, p. 8

Struyf, Anja, *Halfspace Depth Characterizes the Empirical Distribution,* 984-21, No. 3, p. 173

Subramanian, Sundarraman, *Median Regression Analysis of Censored Data,* 256-4, No. 1, p. 12

Sudjianto, Agus, *Saddlepoint Approximation for Computer Aided Tolerance Analysis,* 257-37, No. 2, p. 96

Sudjianto, Agus, *A Computer-Aided Approach to Reliability Assessment Using Optimal Latin Hyercubes,* 257-57, No. 2, p. 102

Sullo, Pasquale, *Parameter Estimation for Short Run Processes with an Adjustment,* 257-34, No. 2, p. 95

Sun, Yanging, *Generalized Nonparametric Test Procedures for Comparing Multiple Cause-Specific Hazard Rates,* 259-54, No. 3, p. 167

Suzuki, K., *Nonparametric Estimation of a Lifetime Distribution When Censoring Times are Missing*, 257-15, No. 2, p. 89

Syracuse, Kenneth, *A Statistical Approach to Modeling for Oxyhalide Primary Lithium Batteries,* 259-45, No. 3, p. 164

Tartakovsky, Alexander G., *Multihypothesis Sequential Tests with Application to Target Identification in Multi-Resolution Systems: Asymptotic Optimality*, 257-26, No. 2, p. 92

Tartakovsky, Alexander, *Asymptotic Properties of M-SPRT and Adaptive Sequential Test in Multi-Hypothesis Problems with an Indifference Zone,* 259-55, No. 3, p. 167

Theodorescu, Radu, *Estimation of Linnik Law Parameters,* 98t-41, No. 6, p. 313

Thoennes, E., *Perfect Simulation in Stochastic Geometry,* 98t-8, No. 1, p. 9

Thrall, Anthony D., *Verifying Monte Carlo Unbiasedness,* 257-56, No. 2, p. 101

Tomisaki, Matsuyo, *Superposition of Symmetric Diffusion Processes,* 258-16, No. 2, p. 110

Tortorella, Michael, *Robust Design and Reliability Engineering,* 257-9, No. 2, p. 86

Tortorella, M., *New Field Reliability Measurements to Improve Design*, 257-49, No. 2, p. 99

Trawinski, B.J., *Perfect Simulation in Stochastic Geometry,* 98t-8, No. 1, p. 9; 98t-17, No. 2, p. 83

Trawinski, Irene M., *Predictions on Level Sets,* 98t-9, No. 1, p. 9

Trawinski, Irene M., *Predictions on Level Sets,* 98t-17, No. 2, p. 83

Trosset, Michael W, *Optimization on a Limited Budget,* 257-13, No. 2, p. 88

Uddin, Nizam, *Universally Optimal Designs with Blocksize p x 2 and Correlated Observations,* 256-11, No. 1, p. 14

Ugarte, M. Dolores, *Detecting Interaction Between Random Region and Fixed Age Effects in Disease Mapping,* 258-14, No. 2, p. 109

Van Aelst, Stefan, *Robustness of Deepest Regression,* 98t-45, No. 6, p. 314

Vander Wiel, Scott A., *Interplay Between Physics and Statistics in Modeling Bandwidth of Optical Fiber,* 257-60, No. 2, p. 102

Van Driessen, Katrien, *Computing LTS Regression for Large Data Sets,* 98t-44, No. 6, p. 314

Vandeven, Mark, *Parameter Estimation for Short Run Processes with an Adjustment,* 257-34, No. 2, p. 95

Vitale, Richard A., *Some Comparisons for Gaussian Processes,* 98t-42, No. 6, p. 313

Vitale, Richard A., *Majorization and Gaussian Correlation,* 98t-43, No. 6, p. 314

Wadhwa, Neerja, *Defect Rate Estimation Using Imperfect Zero-Defect Sampling with Rectification,* 98t-13, No. 2, p. 81

Walther, Guenther, *Solar Neutrinos, Sunspots and the Null Distribution of Spearman's Rho,* 259-23, No. 3, p. 157

Walker, Esteban, *Using Splines to Study and Compare Properties of Presses Wood Boards,* 257-30, No. 2, p. 94

Walker, Stephen, *A Bayesian Decision-Theoretic Approach to Model Selection,* 259-14, No. 3, p. 155

Wang, Steve C., *Saddlepoint Approximation for Computer Aided Tolerance Analysis,* 257-37, No. 2, p. 96

Wang, Weizhen, *On Testing of Individual Bioequivalence,* 259-7, No. 3, p. 153

Wang, Yazhen, *Survival Function Estimation via Wavelets for Interval Censored Data,* 259-56, No. 3, p. 168

Watson, L.T., *Using Variable Fidelity Approximation Data for Sequential Response Surface Approximation and Optimization,* 257-12, No. 2, p. 87

Wei, Ching-Zong, *Convergence Results for the Modeling of Time Series Arrays by Multistep Prediction or Likelihood Methods,* 98t-46, No. 6, p. 314

Wellner, Jon, *Asymptotic Efficiency in Semiparametric Models with Non-i.i.d. Data,* 259-39, No. 3, p. 162

Wendelberger, James G., *A Successful System Using Data Mining for Direct Marketing Response Prediction,* 257-5, No. 2, p. 95

Wendelberger, Joanne R., *Analysis of Bivariate Relationships in Explosives Test Data,* 257-47, No. 2, p. 99

Weng, T.S., *Application of McNeamr's Test to Assessment of Medical Diagnostics Technologies: Limitations, Implications and Interpretations,* 257-29, No. 2, p. 93

Whitman, Charles I., *Using Stepwise Regression to Improve Physical Understanding of Technical Data,* 257-31, No. 2, p. 94

Williams, David, *Genealogies of Spatially Structured Populations,* 259-10, No. 3, p. 154

Winker, P., *An Equivalence Theorem for Orthogonality and D-Optimality,* 98t-34, No. 4, p. 208

Wollan, Peter C., *Estimating the Branch Location for Branching Curves,* 256-7, No. 1, p. 13

Worsley, Keith, *Shape Analysis via Random Fields,* No. 4, p. 210

Wright, A.J., *Modeling Domestic Electricity Consumption in the UK,* 257-51, No. 2, p. 100

Wu, Yanhong, *Biases of Change Point and Change Magnitude Estimation After Sequential CUSUM Test,* 259-17, No. 3, p. 156

Xie, Jingdong, *Generalizing the Wilcoxon-Mann-Whitney Statistic,* 259-57, No. 3, p. 168

Xu, Ke-Jun, *Nonlinear Wavelet Smoothing of Error Distribution in a Semiparametric Model,* 98t-32, No. 4, p. 207

Yang, Bo, *Multivariate Confidence Regions for Generalized Linear Models,* 258-11, No. 2, p. 109

Yen, James, *Comparing Protocols for Software Conformance Testing,* 257-58, No. 2, p. 102

Young, Timothy M., *Using Splines to Study and Compare Properties of Presses Wood Boards,* 257-30, No. 2, p. 94

Yuan, Goerge, *The Study of Financial Problems using Wavelet Analysis,* 258-4, No. 2, p. 106

Zhou, Xingwang, *Point and Interval Estimation of P(X<Y): The Normal Case With Common Coefficient of Variation,* 256-13, No. 1, p. 15

Zuo, Yijun, *On the Performance of Some Nonparametric Location measures Relative to a General Notion of Multivariate Symmetry,* 259-37, No. 3, p. 161

A GUIDE TO THE IMS BULLETIN: VOL 27 (1998)

No. 1, January/February, pp. 1-67	No. 4, July/August, pp. 195-238
No. 2, March/April, pp. 68-136	No. 5, September/October, pp. 239-290
No. 3, May/June, pp. 137-194	No. 6, November/December, pp. 291-402

Abstracts, Index by Author: Dallas, Texas Meeting...171

Abstracts of Papers to Be Presented in Person:

Dallas, Texas, Joint Statistical Meetings, August 1998...151-168; 208-210

Pittsburgh, PA, IMS/ENAR Regional Meeting, March 1998...11-15

San Diego, California, IMS-WNAR Meeting, June 1998...105-111

Sante Fe, New Mexico, Spring Research Conference, June 1998...83-105

Abstracts of Papers Presented by Title: ...6-9; 80-83; 172-175; 206-208; 313-315

Annals of Applied Probability, The: Table of Contents...234

Annals of Statistics, The: Table of Contents...233

Awards: COPPS President and Elizabeth L. Scott...299

Editor , From the: ...3; 69

Employment Opportunities: 26-32; 115-117; 180-181; 211-213; 275-283; 315-344

Guidelines for IMS Sponsored & Co-Sponsorship of Meetings: ...111

IMS Committees...294

IMS Meetings, Workshops and Associated Conferences:

Atlanta, Georgia, March 1999...301-304

Baltimore, Maryland, August 1999...306-310

Dallas, Texas, August 1998...19; 78; 141-151; 259-263

Edinburgh, March 1998...15-16

Evanston, Illinois, October 1998...78; 141; 201-203

Guanajuato, Mexico, May 2000...268-269

Minneapolis, Minnesota, June 1999...305

Navarre Beach, Florida, June 1998...18-19

Ontario, Canada, August 1998...19

Ontario, Canada, October 1998...20

San Diego, California, June 1998...73-77

Sante Fe, New Mexico, June 1998...16-18

West Lafayette, Indiana, June 1998...203-205

Upcoming IMS Meetings...78

IMS Members, Corporate & Institutional: ...199-201

IMS Members Donating to the Gift Program : ...72

IMS Members, New: ...9-10; 111; 176-177; 210; 272, 300

IMS Treasurer's Report for Fiscal Year 1997: ...51-67;